

MATERIAL SAFETY DATA SHEET

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CHEMICAL PRODUCT NAME: Sylsia 320 JP
(CHEMICAL NAME/TRADE NAME)

COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance
Chemical Name: Synthetic Amorphous Silica
Ingredients & Composition: SiO₂ min. 99.0%
(calculated on the incinerated basis)

Chemical Notation or Substances: SiO₂ · nH₂O

Class Reference No. of Existing Chemical Substances: 1-548

CAS No.: 7631-86-9

Export/Import Statistics No.: 2811.22-000

HAZARDS IDENTIFICATION

Class name of hazardous chemicals for SDS in Japan
Not Applicable

FIRST-AID MEASURES

Eye Contact: Gently rinse the affected eyes with clean water for at least 15 minutes. If some pain remains, arrange for transport to the nearest medical facility for examination and treatment by an ophthalmologist.

Skin Contact: Wash the affected area with water. Wash the contaminated clothes before wear it again.

Inhalation: Remove the victim from the contamination immediately to fresh air. Rinse the affected mouth and nasal cavity with water, and arrange for transport to the nearest medical facility for examination and treatment by a physician if necessary.

Ingestion: Rinse mouth with water. Arrange for transport to the nearest medical facility for examination and treatment by a physician if necessary.

FIRE - FIGHTING MEASURES

Non - Flammable

ACCIDENTAL RELEASE MEASURES

Wear the appropriate protective equipment. Sweep up, or vacuum up to collect in an empty container, avoiding raising dust. Do not work under the wind.

HANDLING & STORAGE

Handling: 1. Do not breathe dust.

2. Wear proper protective equipment and work from the windward to prevent dust scattered.

3. Prevent build-up of electrostatic charges.

4. Work in the well-ventilated area, or equip with local exhaust ventilation system.

Storage: Store in a cool and well-ventilated place. Keep away from the direct sunlight and water. To maintain the quality, keep away from high humidity and avoid contact with organic gas.

EXPOSURE CONTROL / PERSONAL PROTECTION

Control Parameter:

Japan Society for Occupational Health (1992)

Table II Class 3, Inhalation : $2\text{mg} / \text{m}^2$, Total Dust $8\text{mg} / \text{m}^2$

ACGIH (1991) TLV-TWA $10\text{mg} / \text{m}^3$ (Total dust)

Protective Equipment: Wear appropriate respirator protection for the working place.

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Free - flow white powder

Solubility: Fluoride acid, strong alkali

TOXICOLOGICAL INFORMATION

		Literature #
Acute Toxicity:	Oral LD ₅₀ (mice / rat) > 4,500 mg/kg	— 1
Chronic Toxicity:	Negative	— 2
Carcinogenic Effects:	No information	— 2
Mutagenic Effects:	No effect	— 3
(Microbe/Chromosomal Aberration)		
Other:	Not known	

Inactive dust may become a factor to cause any disorders to the respiratory organs in case of inhalation of much dust or working in the affected industry in a long term

ECOLOGICAL INFORMATION

No effective information

TRANSPORT INFORMATION

There is no particular rule and regulation.
Avoid leaking water and careless handling.

DISPOSAL CONSIDERATION

Follow the laws related disposal and cleaning.

REGULATORY INFORMATION

The Pharmaceutical Affairs Law
Health and Safety Law: Article 57th notice subject No. 311 "SILICA"
PRTR Law: not applied

REFERENCES

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| Literature 1. | IGAKU KENKYU (ACTA MEDICA)
Vol. 39 No. 1 January 1969 |
| Literature 2. | ORAL INGESTION OF SYLOID TO MICE AND RATS AND
ITS CHRONIC TOXICITY AND CARCINOGENICITY |
| Literature 3. | "The Micronucleus Test with SYLOID 244"
Hyogo College of Medicine, Department of Public Health
Assistant professor: Naoko Koizumi Ph.D. |

OTHER

The above mentioned data and information corresponds to our present knowledge and experience, but we have no liability whatsoever for the accuracy or completeness of the information contained herein. The indications are given for normal handling. It is the user's responsibility to follow suitable safety regulations for his special use.